



Application 10/686,643

(New claim)

5. Loudspeaker system comprising a plurality of ribbon loudspeaker element modules, some having narrow ribbon bands for reproducing higher frequencies and some having wide ribbon bands for reproducing lower frequencies, each such element being fed through a filter circuit having two parallel branches, each branch comprising a capacitor and a resistor in series, the capacitor of a first of said branches having the largest capacity being in series with a low inductivity high power resistor, and the capacitor in the second of said branches having a lower capacity than that of the first of the said branches being in series with a resistor having a lower resistance than that of the resistor of the said first branch, said low inductance high power resistors in the said filter circuits of the filter modules being mounted in such a way that the modules act as heat sinks, said low inductance high power resistors having resistance values making said ribbon bands of the modules to be current-fed, eliminating problems with inductive influence causing a fall-off in sound pressure above a frequency depending on a ribbon's mass/inertia and the inductance thereof.